

## **ABSTRACT**

Apparatus for imaging an area of a surface along a viewing angle that is oblique to the surface includes an afocal optical relay, which is adapted to form a tilted initial image of the area by collecting optical radiation from the area along an optical axis oriented at the viewing angle. A tilt correction unit is coupled to correct a tilt of the initial image so as to form a substantially undistorted intermediate image. A magnification module is coupled to focus the intermediate image onto an image detector.